INTER-OFFICE MEMORANDUM

April 28, 1978

From: F. Gruppuso

To : K. Greenberg

cc :

S. Maine	T. Mariner	S. Stuart
D. Harrower	R. Curth	I. Harris
R. Stephens	R. Werner	S. Kelly
F. Jelenko	P. Rush	J. Wunner

Re : CP1600 INSTRUCTION SET

Please note that due to an oversight in generating the original CP1600 Documentation Manual that the list of uninterruptable instructions was and still is incomplete.

As this memo is intended to constitute an official change, it should be included in the next release of that documentation (sometime within the next decade would be preferable).

All combinations of the MVO instructions are uninterruptable. This includes direct, indirect and immediate addressing modes. Uninterruptable in this context means the CPU will not recognize low active enabled signals on the BUSRQ*, INTR* or INTRM* lines for any reason but rather will continue on and execute the next instruction.

Thus, the set of uninterruptable instructions include all MVO, all SHIFTs, EIS, DIS, TCI, CLRC, SETC instructions.

The impact on TIC and STIC software should be carefully considered.

Frank

/do

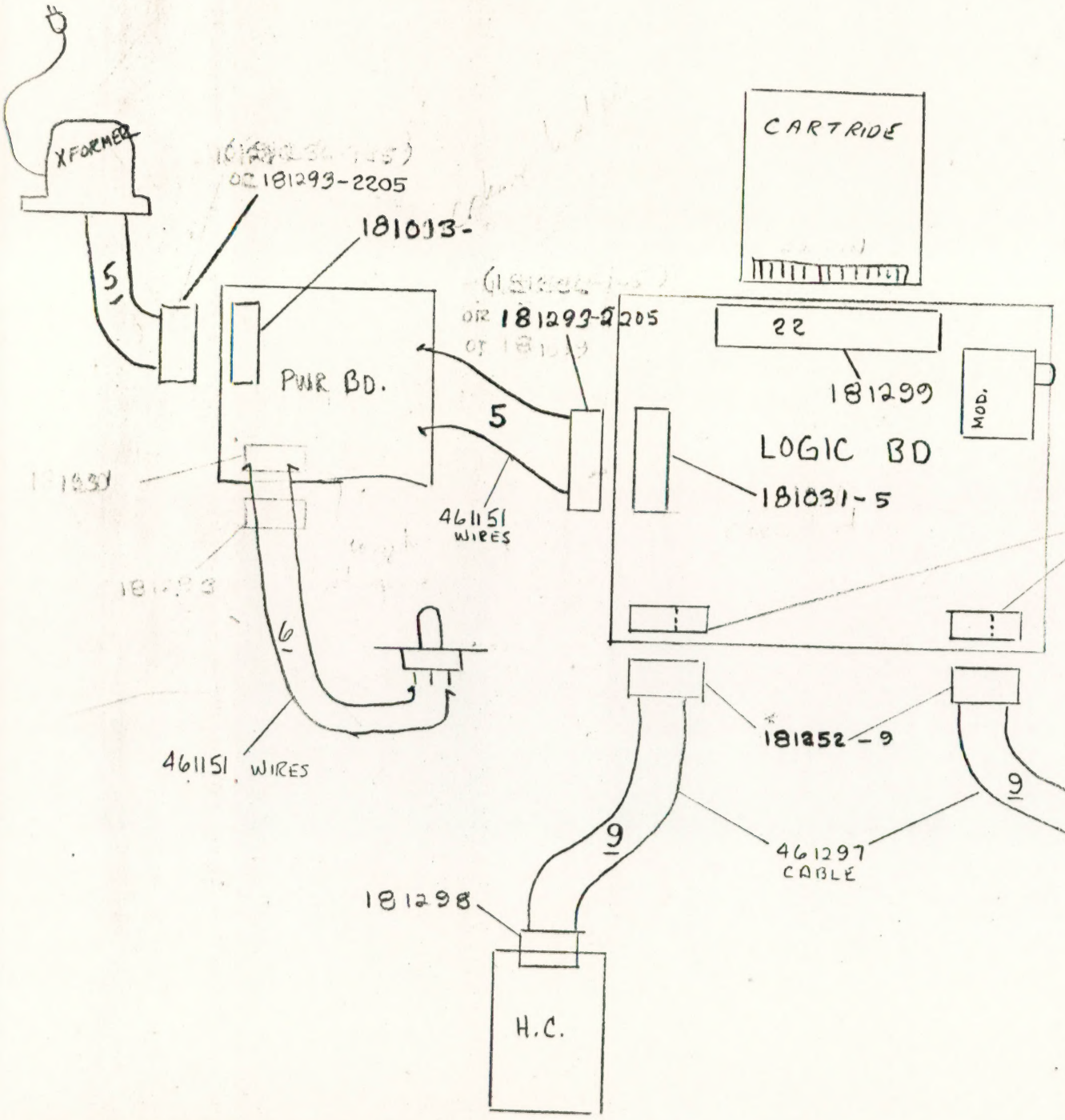
LOGIC BOARD PARTS

7 4?? Chips

4 2112 RAMS

MATTEL 2609 SYSTEM INTERCONNECTS SHOWING MAGNAVOX PART #'s

MVX #	VENDOR	WIRE SIZE	DESCRIPTION
181293	AMP	22GA	I.D.S. CONN. .156"
181299	TRW	.062" CARD	22 PIN EDGE CARD
181252	AMP	28GA	I.D.S. CONN. .100"
181254	AMP	—	WAFER .100" RT ∠
181031	MOLEX	—	WAFER .156" RT ∠
181298	CIRCUIT ASSM CORP	28GA	I.D.S. CUSTOM
181210	MOLEX	18-24	.156" CRIMP TERMINAL
181013	MOLEX	—	WAFER .156" STRAIGHT
181236	AMP	22GA	.156 LACE & LOC



NOTE:
CONNECTOR LOCATIONS DO NOT REPRESENT ACTUAL LAYOUT POSITIONS.

C. PERRY

160634-1

2609-9589

593222-1

ISSUE DATE _____

TOY # 2609

A' PRICE /60

QUOTA 40 M

VIDEO

NEXT EP DATE 5/18 — UNITS 6

PILOT DATE _____ — UNITS _____

PRODUCT START DATE 8-14

PART DESCRIPTION	PART #	TOOL #	FR	LET/ PO TO VENDOR	LEAD TIME	1st SHOTS/ SAMP.	DEBUG WEEKS	TOOL COMP	EP QTY	COMMENTS
CONSOLE COVER		T501	2/28	1/23	16	5/22	6	7/5		AIR VENTS ADDED SLIP 1ST SHOTS TO 5/22
CONSOLE BASE		T502	2/28	1/23	16	5/22	6	7/5		"
LOWER HSG		T503	1/5	1/5	16	5/21	5	6/26		
UPPER HSG		"	1/5	1/5	16	5/21	5	6/26		
FRAME		T504	2/28	5/8	8	6/27	3	7/20		
TRAY		"	1/5	5/8	8	6/27	3	7/20		
CONTROL DISC		T505	3/28	5/8	8	6/27	3	7/20		
RESET BUTTON		"	2/28	"	"	"	3	"		
GLAMOUR CAP		"	2/28	"	"	"	3	"		
PUSH BUTTON		T506	2/28	5/8	8	6/27	3	7/20		

OY # 2610

A' PRICE

UOTA

VIDEO-CARTRIDGE

NEXT EP DATE

UNITS

PILOT DATE

UNITS

PRODUCT START DATE 8-14

ART DESCRIPTION	PART #	TOOL #	FR	LET/ PO TO VENDOR	LEAD TIME	1st SHOTS/ SAMP.	DEBUG WEEKS	TOOL COMP	EP QTY	COMMENTS
HOUSING		T501	3/29	4/18	10	6/27	3	7/18		
ACCESS PANEL		"	3/29	4/18	10	"	"	"		
CASSETTE CASE BASE		T502	4/18	5/3	11	7/26	3	8/15		#3.5M PREMIUM
CASSETTE CASE LID		"	4/18	"	"	"	"	"		
CASSETTE #1-FOOTBALL										
#2										
#3										
#4										
#5										
#6										

MAGNAVOX

VIDEO GAME PLAN

PROGRAM PLAN

4/12/78

SHEET 1 OF 1

	8-25	9-1	9-8	9-15	9-22	9-29	10-6	10-13	10-20	10-27	11-3	11-10	11-17	11-24	12-1
Chip Delivery	2200			5000		5000		10000	5000	5000	5000	7500	7500	7500	
Cum Total				7200		12200		22200	27200	32200	37200	44700	52200	59700	
Scheduled Production	500	500	500	1000	2000	2500	2500	5000	5000	5000	5000	5000	5000	5000	5000
No Overtime	500	1000	1500	2500	4500	7000	9500	14500	19500	24500	29500	34500	39500	44500	49500
With Overtime											6000	7500	7500	7500	7500
											30500	38000	45500	53000	60500
25 Pre-Pilot 5/1															
6 Pre-Pilot 5/1															
125 to 250 Pilot 8/4															

Contract should require that Parts be ordered such that 250 systems could be built end of ~~August~~ June and so production @ 100/day could start 1 Aug and start build up to 1000/day by mid August

DPK